

Espacenet

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SEMICONDUCTOR DEVICE AND MANUFACTURE THEREOF

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Applicant(s):

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international:

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Abstract of JP 2000101037 (A)

PROFILEM TO BE SOLVED: To enlarge this surface. area of a capacidor storage electrode to increase capacitance of a time structured and integrated seemiconductor device for memory. SQEUTION: As a preparative layer of a capacitor morage electrode 25 formed on a semiconductor device, two or more layers, of films, each containing impurity in different density or different material are formed. An aperture is individed by selectivity removing a predetermined anul of the pre-pre-affice triyer and etching is performed. Use to the different each ones in the preparative tayes, me sidewall surface of the aperture a, believs shaped. After a conductive film is deposited on the sidewall surface of the aperture to tons the aspection storage electroide 25, the proposative layer is reviewed. Furthermore, a copisoirer diejector, film 26 and a capacitor counter electricie 27 are formed on the dapacitor storage vierce ode 25. Consequently, the surface of the cylindrical papacitor alorage electrode 25 is bollowshaped without high-temporature best mediment so that the suitage area is ederged to increase CREAR ARREST



